

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

24. (Currently amended) A method for communicating between downhole tools and equipment in a wellbore, comprising the steps of:

- (a) providing a first downhole structure adapted to operate in a first fluid having a first fluid density, said first structure having one or more non-acoustic transmitter units and one or more non-acoustic receiver units;
- (b) providing a second downhole structure adapted to operate in a second fluid having a second fluid density, said second structure having one or more non-acoustic transmitter units and one or more non-acoustic receiver units;
- (c) receiving a signal from the one or more non-acoustic transmitter units of the first downhole structure with the one or more non-acoustic receiver units of the second downhole structure; and
- (d) receiving a signal from the one or more non-acoustic transmitter units of the second downhole structure with the one or more non-acoustic receiver units of the first downhole structure;

~~wherein said signal from one or more non-acoustic transmitter units powers said one or more non-acoustic receiver units.~~

25. (Original) The method of claim 24, further comprising actuating or installing downhole equipment.

26. (Original) The method of claim 24, further comprising returning the signal to the surface of the wellbore.

27. (Original) The method of claim 24, further comprising storing the signal with one or more non-acoustic receiver units of the first and second downhole structure.

28. (Currently amended) The method of claim 24, wherein said first downhole structure is a substantially autonomous downhole tool~~moved by a conveyance tool~~.

29. (Currently amended) The method of claim ~~24~~28, further comprising a propulsion mechanism to move said first downhole structure in the first fluid~~wherein said first downhole structure is attached to a drop ball~~.

30. (Cancelled)

31. (Currently amended) The method of claim ~~28~~24, wherein said second downhole structure is a substantially autonomous downhole tool.

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

42. (Cancelled)

43. (Currently amended) A method for communicating between downhole tools and equipment in a wellbore, comprising the steps of:

(a) providing a first downhole structure having one or more non-acoustic transmitter units and one or more non-acoustic receiver units, said first downhole structure comprising an identification code;

(b) providing a second downhole structure having one or more non-acoustic transmitter units and one or more non-acoustic receiver units, said second downhole structure comprising a target code;

(c) receiving a signal from the one or more non-acoustic transmitter units of the first downhole structure with the one or more non-acoustic receiver units of the second downhole structure; and

(d) receiving a signal from the one or more non-acoustic transmitter units of the second downhole structure with the one or more non-acoustic receiver units of the first downhole structure; and

(e) reprogramming at least one of the identification code or the target code after at least one of said signals is received.

44. (Previously presented) The method of claim 43, further comprising actuating or installing downhole equipment when the identification code matches the target code.

45. (Currently amended) The method of claim 43, further comprising returning a the signal to the surface of the wellbore when the identification code matches the target code.

46. (Currently amended) The method of claim 43, further comprising storing a the signal with one or more non-acoustic receiver units of the first and second downhole structure when the identification code matches the target code.

47. (New) A method for communicating in a wellbore comprising:

providing a first downhole structure having at least one non-acoustic transmitter or receiver unit;

providing a second downhole structure having at least one non-acoustic transmitter or receiver unit;

transmitting a signal from at least one of the non-acoustic transmitter units;

receiving a signal at least one of the non-acoustic receiver units; and

reprogramming at least one of the non-acoustic transmitter or receiver units in one of the first downhole structure or second downhole structure.

48. (New) The method of claim 47 wherein the reprogramming is performed in response to the received signal.

49. (New) The method of claim 47 wherein the reprogramming is performed in response to the transmitted signal.

50. (New) The method of claim 47 wherein at least one of the first and second downhole structure is moveable in the wellbore.

51. (New) The method of claim 50 further comprising moving one of the first and second downhole structures in proximity to the other of the first and second downhole structure.

52. (New) The method of claim 51 wherein the other of the first and second downhole structure is secured in the wellbore.

53. (New) A method for performing an operation in a wellbore comprising:

_____ providing a first downhole structure having at least one non-acoustic transmitter or receiver unit;

_____ providing a second downhole structure having at least one non-acoustic transmitter or receiver unit;

_____ moving the first downhole structure in proximity to the second downhole structure;

_____ transmitting a signal from at least one of the non-acoustic transmitter units at least one of the first downhole structure or the second downhole structure;

receiving the transmitted signal at least one of the non-acoustic receiver units in the other of the first downhole structure or the second downhole structure;

reprogramming at least one of the non-acoustic transmitter or receiver units; and moving the first downhole structure.

54. (New) The method of claim 53, wherein the first downhole structure is comprised in a tool.

55. (New) The method of claim 53, wherein the first downhole structure is attached to a drop ball.

56. (New) A method for communicating between a downhole tool and wellbore equipment comprising:

providing a first downhole structure having one or more non-acoustic transmitter units, the first downhole structure comprising a target code;

providing a second downhole structure having one or more non-acoustic receiver units, the second downhole structure comprising an identification code;

using at least one of the receiver units to receive a signal from at least one of the transmitter units;

comparing the target code and the identification code;

and reprogramming at least one of the target code or the identification code.

57. (New) The method of claim 56 further comprising performing an operation when the identification code matches the target code.

58. (New) The method of claim 55 further comprising storing the signal when the identification code matches the target code.

59. (New) A method for communicating in a wellbore comprising:

_____ providing a first downhole tool having at least one non-acoustic transmitter or receiver unit;

_____ providing a second downhole tool having at least one non-acoustic transmitter or receiver unit;

_____ transmitting a signal from at least one of the non-acoustic transmitter units in the first downhole tool;

_____ receiving a signal at least one of the non-acoustic receiver units in the second downhole tool, wherein the first and second downhole tools are moveable in the wellbore.

60. (New) The method of claim 59, wherein at least one of the first and second downhole tools is substantially autonomous.